

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P831731

Luminaire Tested: S123DP-S1165D840-4F0-1E-UDD-G

Issue Date: 05/03/2024

Test Information

Test Method: LM-79-2019
Report Number: P831731
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2301-905-1, -)
Test Lab: INNOVATION CENTER
Issue Date: 05/03/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DP-S1165D840-4F0-1E-UDD-G
Description: DEFINE 3 DIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1165 LUMENS PER FOOT, GRAZE OPTIC

Light Source: -
Ballast/Driver: -

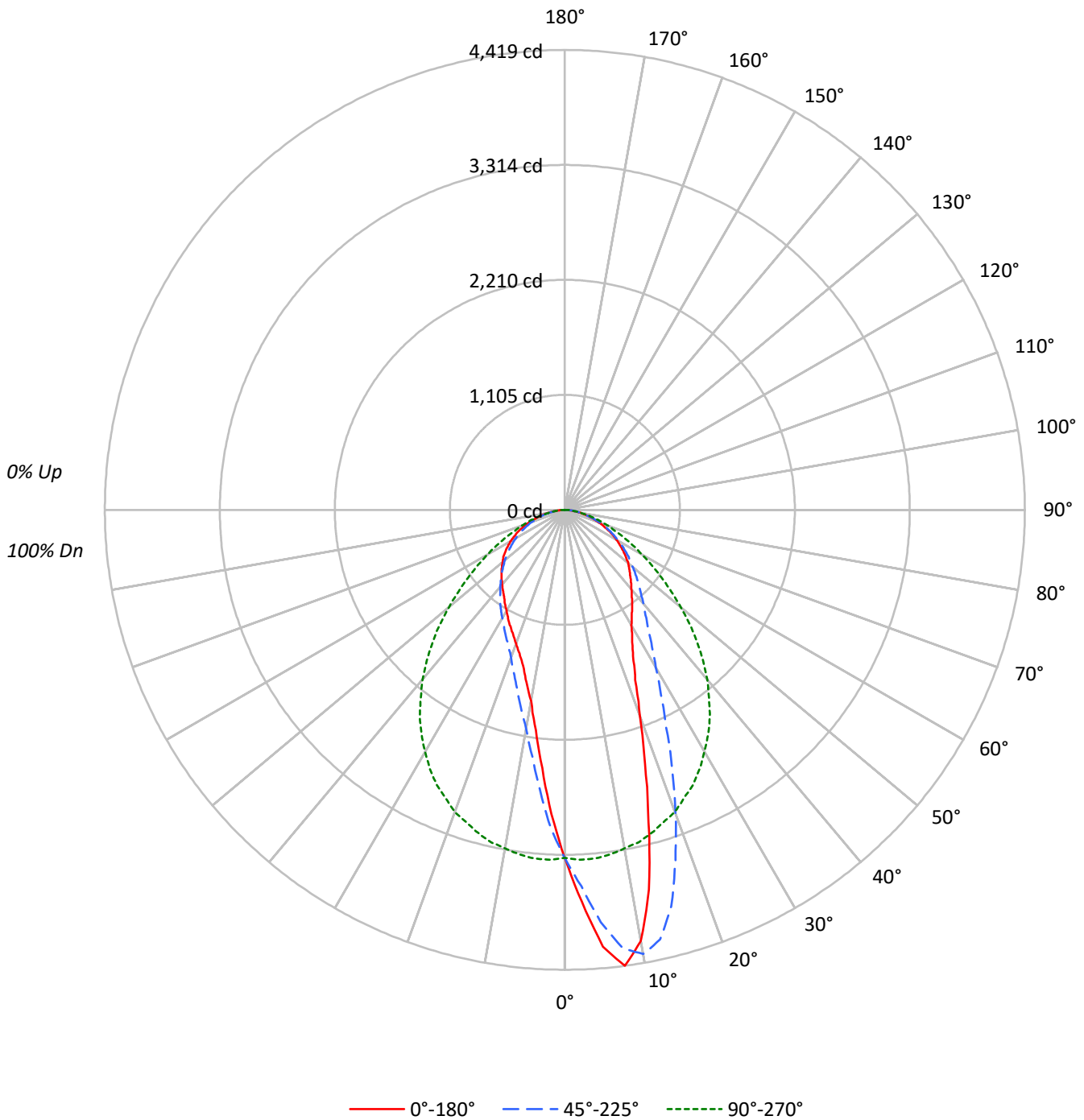
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5377.0 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 1.19 / 0.89
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86				86
2	101	94	88	82	99	92	86	81	88	84	80	85	81	78	82	79	76	74				74
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64				64
4	86	75	67	61	84	74	67	61	72	65	60	69	64	59	67	62	58	56				56
5	80	68	60	54	78	67	59	54	65	58	53	63	57	52	61	56	52	50				50
6	74	62	54	48	73	61	53	48	60	53	47	58	52	47	56	51	47	45				45
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	40				40
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	39	37				37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34				34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31				31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	36004	36004	36004	36004	36004
5°	45533	42976	36327	29274	26901
10°	45976	47367	36085	23335	20392
15°	34628	43977	35839	19762	17245
20°	24127	35586	35381	17282	15664
25°	18398	27366	34601	15899	14693
30°	15915	21742	33356	14922	13909
35°	14767	18357	31919	14217	13360
40°	13980	16467	29901	13544	13173
45°	13515	15239	27338	13018	13090
50°	13283	14269	24303	12541	13021
55°	12787	13559	21322	12087	13078
60°	12329	12798	18378	11662	12865
65°	11584	12078	15852	11207	12610
70°	10697	11163	13482	10455	11871
75°	9682	10006	11553	9715	10846
80°	7984	8753	9143	8467	9143
85°	6323	7089	6706	7188	7287

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 80°
 Vertical Angle: 45°
 Luminance: 31212 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.2	5.9
10°-20°	786.7	14.6
20°-30°	931.5	17.3
30°-40°	936.6	17.4
40°-50°	859.3	16.0
50°-60°	709.2	13.2
60°-70°	501.7	9.3
70°-80°	267.8	5.0
80°-90°	67.9	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2034.4	37.8
0°-40°	2971.0	55.3
0°-60°	4539.6	84.4
0°-90°	5377.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5377.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3345	3345	3345	3345	3345	
5°	4214	3977	3362	2709	2490	402
15°	3107	3946	3216	1773	1548	858
25°	1549	2304	2913	1339	1237	731
35°	1124	1397	2429	1082	1017	706
45°	888	1001	1796	855	860	688
55°	681	722	1136	644	697	610
65°	455	474	622	440	495	452
75°	233	241	278	234	261	245
85°	51	57	54	58	59	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3344.9	3344.9	3344.9	3344.9	3344.9	3344.9	3344.9	3344.9	3344.9	3344.9	3344.9
2.5°	3770.2	3766.3	3762.5	3743.1	3723.6	3714.3	3705.0	3677.1	3649.1	3618.1	3587.1
5°	4214.1	4225.0	4235.9	4223.4	4211.0	4173.0	4135.0	4084.5	4034.1	3977.4	3920.8
7.5°	4419.0	4425.2	4431.4	4423.7	4415.9	4405.8	4395.7	4350.7	4305.7	4247.5	4189.3
10°	4206.4	4220.3	4234.3	4264.6	4294.8	4329.0	4363.1	4356.9	4350.7	4333.7	4316.6
12.5°	3739.2	3756.2	3773.3	3833.9	3894.4	3972.0	4049.6	4116.3	4183.1	4229.7	4276.2
15°	3107.4	3154.8	3202.1	3257.2	3312.3	3426.4	3540.5	3681.0	3821.4	3946.4	4071.3
17.5°	2559.5	2577.4	2595.2	2654.2	2713.2	2856.8	3000.3	3162.5	3324.7	3532.0	3739.2
20°	2106.3	2122.6	2138.9	2216.5	2294.1	2406.6	2519.2	2701.5	2883.9	3106.7	3329.4
22.5°	1769.5	1795.1	1820.7	1864.2	1907.6	2015.5	2123.4	2285.6	2447.8	2693.8	2939.8
25°	1549.1	1567.7	1586.3	1612.7	1639.1	1725.2	1811.4	1944.9	2078.4	2304.2	2530.0
27.5°	1398.5	1406.3	1414.0	1440.4	1466.8	1522.7	1578.6	1693.4	1808.3	2000.0	2191.7
30°	1280.5	1286.0	1291.4	1314.7	1338.0	1376.0	1414.0	1497.1	1580.1	1749.3	1918.5
32.5°	1198.3	1202.2	1206.0	1223.9	1241.7	1268.9	1296.1	1356.6	1417.1	1556.8	1696.5
35°	1123.8	1126.1	1128.4	1141.6	1154.8	1175.0	1195.2	1241.0	1286.7	1397.0	1507.2
37.5°	1058.6	1061.7	1064.8	1072.5	1080.3	1098.2	1116.0	1152.5	1189.0	1273.6	1358.1
40°	994.9	1000.4	1005.8	1011.2	1016.7	1031.4	1046.2	1074.1	1102.0	1171.9	1241.7
42.5°	940.6	946.0	951.5	953.8	956.1	964.7	973.2	998.8	1024.4	1076.4	1128.4
45°	887.8	890.2	892.5	894.8	897.2	904.1	911.1	933.6	956.1	1001.1	1046.2
47.5°	839.7	839.7	839.7	841.3	842.8	849.0	855.2	871.5	887.8	922.8	957.7
50°	793.2	793.2	793.2	790.8	788.5	792.4	796.3	808.7	821.1	852.1	883.2
52.5°	737.3	737.3	737.3	738.1	738.8	738.8	738.8	749.7	760.6	788.5	816.4
55°	681.4	684.5	687.6	685.3	683.0	684.5	686.1	693.0	700.0	722.5	745.0
57.5°	625.5	627.1	628.6	627.9	627.1	627.9	628.6	634.8	641.0	658.1	675.2
60°	572.7	572.7	572.7	571.2	569.6	571.2	572.7	575.9	579.0	594.5	610.0
62.5°	513.8	514.5	515.3	516.1	516.9	515.3	513.8	517.6	521.5	533.2	544.8
65°	454.8	455.6	456.3	458.7	461.0	459.4	457.9	461.8	465.7	474.2	482.7
67.5°	402.0	400.5	398.9	399.7	400.5	402.8	405.1	405.9	406.7	416.0	425.3
70°	339.9	341.5	343.0	342.3	341.5	342.3	343.0	345.4	347.7	354.7	361.7
72.5°	284.0	284.8	285.6	285.6	285.6	287.2	288.7	291.0	293.4	297.2	301.1
75°	232.8	232.8	232.8	234.4	235.9	236.7	237.5	237.5	237.5	240.6	243.7
77.5°	176.9	180.8	184.7	183.9	183.2	184.7	186.3	188.6	190.9	192.5	194.0
80°	128.8	128.8	128.8	129.6	130.4	132.7	135.0	136.6	138.1	141.2	144.4
82.5°	82.3	83.0	83.8	86.1	88.5	90.0	91.6	93.9	96.2	96.2	96.2
85°	51.2	49.7	48.1	49.7	51.2	52.8	54.3	55.1	55.9	57.4	59.0
87.5°	24.8	24.8	24.8	24.8	24.8	25.6	26.4	26.4	26.4	26.4	26.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3344.9	3344.9	3344.9	3344.9	3344.9	3344.9	3344.9	3344.9	3344.9	3344.9	3344.9
2.5°	3577.7	3568.4	3534.3	3500.1	3461.3	3422.5	3393.8	3365.1	3322.4	3279.7	3244.8
5°	3877.3	3833.9	3761.7	3689.5	3591.7	3493.9	3428.0	3362.0	3273.5	3185.0	3114.4
7.5°	4114.8	4040.3	3939.4	3838.5	3710.5	3582.4	3461.3	3340.3	3205.2	3070.2	2960.0
10°	4266.1	4215.7	4099.3	3982.9	3811.3	3639.8	3470.6	3301.5	3127.6	2953.8	2807.9
12.5°	4280.9	4285.5	4178.4	4071.3	3877.3	3683.3	3477.6	3272.0	3053.1	2834.3	2664.3
15°	4151.3	4231.2	4172.2	4113.2	3917.7	3722.1	3469.1	3216.1	2963.9	2711.6	2515.3
17.5°	3910.7	4082.2	4090.7	4099.3	3903.7	3708.1	3428.0	3147.8	2862.2	2576.6	2370.2
20°	3582.4	3835.4	3922.3	4009.2	3850.2	3691.1	3389.9	3088.8	2769.1	2449.3	2232.8
22.5°	3247.1	3554.5	3713.6	3872.7	3754.7	3636.7	3316.2	2995.7	2658.1	2320.5	2100.9
25°	2865.3	3200.6	3445.0	3689.5	3617.3	3545.1	3229.3	2913.4	2554.1	2194.8	1970.5
27.5°	2532.4	2873.1	3168.0	3462.9	3447.4	3431.8	3118.3	2804.8	2436.9	2069.0	1852.5
30°	2235.9	2553.3	2883.2	3213.0	3251.0	3289.0	2986.4	2683.7	2315.1	1946.4	1737.7
32.5°	1973.6	2250.6	2604.5	2958.4	3032.9	3107.4	2834.3	2561.1	2196.3	1831.6	1630.6
35°	1758.6	2010.1	2364.0	2717.8	2811.0	2904.1	2666.6	2429.1	2073.7	1718.2	1526.6
37.5°	1568.5	1778.8	2124.1	2469.5	2583.6	2697.7	2485.0	2272.4	1939.4	1606.5	1430.3
40°	1410.9	1580.1	1897.5	2214.9	2346.9	2478.8	2303.4	2128.0	1812.2	1496.3	1334.1
42.5°	1279.0	1429.5	1717.5	2005.4	2131.9	2258.4	2110.2	1961.9	1681.0	1400.1	1251.8
45°	1166.5	1286.7	1548.3	1809.8	1930.1	2050.4	1923.1	1795.9	1548.3	1300.7	1162.6
47.5°	1060.9	1164.1	1387.6	1611.1	1718.2	1825.3	1726.0	1626.7	1417.1	1207.6	1082.6
50°	966.2	1049.3	1244.8	1440.4	1533.5	1626.7	1539.0	1451.3	1279.0	1106.7	998.0
52.5°	884.0	951.5	1115.2	1279.0	1358.9	1438.9	1363.6	1288.3	1151.7	1015.1	920.4
55°	802.5	859.9	1001.9	1143.9	1198.3	1252.6	1194.4	1136.2	1026.0	915.8	835.8
57.5°	726.4	777.6	894.0	1010.5	1052.4	1094.3	1041.5	988.7	905.7	822.6	755.9
60°	651.9	693.8	790.8	887.8	913.5	939.1	896.4	853.7	795.5	737.3	677.5
62.5°	582.8	620.9	693.0	765.2	782.3	799.4	766.8	734.2	689.9	645.7	599.1
65°	511.4	540.2	599.1	658.1	669.0	679.8	651.1	622.4	589.0	555.7	521.5
67.5°	445.5	465.7	513.8	561.9	562.7	563.4	540.2	516.9	498.2	479.6	452.5
70°	381.1	400.5	432.3	464.1	464.9	465.7	447.0	428.4	414.4	400.5	380.3
72.5°	315.1	329.1	353.1	377.2	375.6	374.1	362.4	350.8	339.9	329.1	314.3
75°	255.3	267.0	283.3	299.6	294.9	290.3	284.0	277.8	268.5	259.2	249.9
77.5°	201.0	208.0	217.3	226.6	223.5	220.4	215.0	209.5	202.6	195.6	191.7
80°	147.5	150.6	156.8	163.0	161.4	159.9	153.7	147.5	145.9	144.4	138.9
82.5°	100.1	104.0	105.5	107.1	106.3	105.5	100.9	96.2	94.7	93.1	92.4
85°	59.8	60.5	61.3	62.1	59.8	57.4	55.9	54.3	54.3	54.3	53.5
87.5°	27.2	27.9	27.9	27.9	27.2	26.4	24.8	23.3	24.1	24.8	24.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3344.9	3344.9	3344.9	3344.9	3344.9	3344.9	3344.9	3344.9	3344.9	3344.9	3344.9
2.5°	3209.9	3179.6	3149.3	3126.1	3102.8	3063.2	3023.6	3014.3	3005.0	2991.8	2978.6
5°	3043.8	2969.3	2894.8	2828.0	2761.3	2709.3	2657.3	2623.2	2589.0	2564.2	2539.3
7.5°	2849.8	2738.0	2626.3	2547.1	2467.9	2392.7	2317.4	2293.3	2269.3	2236.7	2204.1
10°	2662.0	2538.6	2415.2	2312.0	2208.7	2135.0	2061.3	2031.8	2002.3	1961.2	1920.0
12.5°	2494.3	2359.3	2224.3	2120.3	2016.3	1944.9	1873.5	1830.8	1788.1	1764.8	1741.5
15°	2318.9	2174.6	2030.2	1934.0	1837.8	1773.4	1708.9	1671.7	1634.4	1611.9	1589.4
17.5°	2163.7	2020.9	1878.1	1785.8	1693.4	1634.4	1575.4	1542.9	1510.3	1493.2	1476.1
20°	2016.3	1876.6	1736.9	1646.8	1556.8	1508.7	1460.6	1439.6	1418.7	1404.7	1390.7
22.5°	1881.2	1743.9	1606.5	1529.7	1452.8	1414.0	1375.2	1360.5	1345.7	1334.1	1322.4
25°	1746.2	1623.6	1500.9	1435.8	1370.6	1338.7	1306.9	1292.2	1277.4	1265.8	1254.2
27.5°	1636.0	1518.8	1401.6	1345.7	1289.9	1265.0	1240.2	1228.5	1216.9	1206.0	1195.2
30°	1528.9	1424.1	1319.3	1271.2	1223.1	1200.6	1178.1	1166.5	1154.8	1144.7	1134.6
32.5°	1429.5	1339.5	1249.5	1205.3	1161.0	1142.4	1123.8	1109.8	1095.8	1088.1	1080.3
35°	1334.9	1254.2	1173.4	1137.0	1100.5	1081.9	1063.2	1051.6	1040.0	1033.7	1027.5
37.5°	1254.2	1182.0	1109.8	1074.9	1040.0	1022.1	1004.3	994.2	984.1	981.7	979.4
40°	1171.9	1109.8	1047.7	1013.6	979.4	963.9	948.4	942.2	936.0	934.4	932.9
42.5°	1103.6	1043.1	982.5	951.5	920.4	907.2	894.0	890.9	887.8	890.2	892.5
45°	1024.4	974.0	923.5	894.8	866.1	855.2	844.4	842.1	839.7	844.4	849.0
47.5°	957.7	911.1	864.6	837.4	810.2	802.5	794.7	793.9	793.2	799.4	805.6
50°	889.4	844.4	799.4	777.6	755.9	748.9	741.9	744.3	746.6	756.7	766.8
52.5°	825.8	783.8	741.9	721.8	701.6	696.9	692.3	697.7	703.1	714.0	724.9
55°	755.9	717.9	679.8	664.3	648.8	644.1	639.5	650.4	661.2	671.3	681.4
57.5°	689.2	655.8	622.4	608.4	594.5	593.7	592.9	603.0	613.1	624.0	634.8
60°	617.8	589.8	561.9	551.0	540.2	541.7	543.3	554.9	566.5	575.1	583.6
62.5°	552.6	529.3	506.0	495.9	485.8	489.7	493.6	505.2	516.9	527.0	537.0
65°	487.4	468.0	448.6	441.6	434.6	440.0	445.5	455.6	465.7	472.6	479.6
67.5°	425.3	409.0	392.7	387.3	381.8	387.3	392.7	402.8	412.9	419.9	426.8
70°	360.1	346.9	333.7	329.8	326.0	332.2	338.4	346.9	355.4	362.4	369.4
72.5°	299.6	289.5	279.4	278.6	277.8	283.3	288.7	297.2	305.8	310.4	315.1
75°	240.6	235.2	229.7	228.9	228.2	233.6	239.0	243.7	248.3	252.2	256.1
77.5°	187.8	183.2	178.5	179.3	180.1	183.9	187.8	192.5	197.1	199.5	201.8
80°	133.5	131.9	130.4	131.9	133.5	136.6	139.7	142.8	145.9	147.5	149.0
82.5°	91.6	90.0	88.5	90.8	93.1	95.5	97.8	100.1	102.4	103.2	104.0
85°	52.8	55.1	57.4	57.4	57.4	58.2	59.0	59.8	60.5	59.8	59.0
87.5°	24.8	25.6	26.4	26.4	26.4	27.2	27.9	27.9	27.9	27.2	26.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	3344.9	3344.9	3344.9	3344.9
2.5°	2973.2	2967.7	2946.0	2924.3
5°	2520.7	2502.1	2495.9	2489.7
7.5°	2202.5	2201.0	2168.4	2135.8
10°	1922.4	1924.7	1895.2	1865.7
12.5°	1722.1	1702.7	1700.4	1698.1
15°	1571.6	1553.7	1550.6	1547.5
17.5°	1465.2	1454.4	1451.3	1448.2
20°	1384.5	1378.3	1372.9	1367.5
22.5°	1314.7	1306.9	1302.3	1297.6
25°	1247.2	1240.2	1238.6	1237.1
27.5°	1186.6	1178.1	1178.1	1178.1
30°	1129.2	1123.8	1121.4	1119.1
32.5°	1075.7	1071.0	1071.0	1071.0
35°	1025.2	1022.9	1019.8	1016.7
37.5°	979.4	979.4	977.9	976.3
40°	935.2	937.5	937.5	937.5
42.5°	894.8	897.2	897.2	897.2
45°	852.9	856.8	858.3	859.9
47.5°	811.8	818.0	819.5	821.1
50°	771.4	776.1	776.9	777.6
52.5°	730.3	735.7	739.6	743.5
55°	686.8	692.3	694.6	696.9
57.5°	640.3	645.7	646.5	647.3
60°	589.0	594.5	596.0	597.6
62.5°	540.2	543.3	544.8	546.4
65°	484.3	488.9	492.0	495.1
67.5°	430.7	434.6	434.6	434.6
70°	371.0	372.5	374.8	377.2
72.5°	315.9	316.6	316.6	316.6
75°	257.7	259.2	260.0	260.8
77.5°	202.6	203.3	203.3	203.3
80°	148.2	147.5	147.5	147.5
82.5°	101.7	99.3	99.3	99.3
85°	58.2	57.4	58.2	59.0
87.5°	26.4	26.4	26.4	26.4
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P831731

CATALOG NUMBER: S123DP-S1165D840-4F0-1E-UDD-G

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	19.93	21.44	20.30	21.75	22.07	22.17	23.68	22.53	23.99	24.30
	3H	21.62	22.98	22.00	23.31	23.67	23.64	24.99	24.01	25.32	25.68
	4H	22.23	23.50	22.63	23.85	24.23	24.11	25.39	24.51	25.73	26.11
	6H	22.63	23.80	23.04	24.17	24.56	24.42	25.60	24.83	25.96	26.35
	8H	22.74	23.86	23.17	24.25	24.65	24.50	25.62	24.93	26.01	26.41
	12H	22.81	23.88	23.24	24.26	24.69	24.54	25.61	24.97	25.99	26.42
4H	2H	20.58	21.85	20.98	22.20	22.58	22.40	23.67	22.80	24.02	24.40
	3H	22.46	23.52	22.87	23.92	24.32	24.07	25.13	24.48	25.53	25.93
	4H	23.18	24.13	23.61	24.55	24.99	24.68	25.63	25.11	26.05	26.49
	6H	23.69	24.52	24.15	24.96	25.42	25.12	25.95	25.58	26.39	26.85
	8H	23.84	24.61	24.30	25.06	25.52	25.24	26.02	25.71	26.46	26.93
	12H	23.93	24.63	24.42	25.10	25.57	25.32	26.01	25.80	26.49	26.96
8H	4H	23.49	24.27	23.95	24.71	25.18	24.83	25.61	25.30	26.05	26.52
	6H	24.10	24.74	24.60	25.23	25.71	25.36	26.00	25.85	26.49	26.97
	8H	24.31	24.89	24.83	25.40	25.89	25.54	26.11	26.05	26.62	27.11
	12H	24.47	24.97	24.98	25.46	26.03	25.67	26.18	26.18	26.67	27.23
12H	4H	23.52	24.21	24.00	24.69	25.16	24.84	25.53	25.32	26.01	26.48
	6H	24.16	24.73	24.67	25.24	25.73	25.37	25.95	25.89	26.46	26.95
	8H	24.42	24.93	24.93	25.42	25.98	25.60	26.11	26.11	26.60	27.17